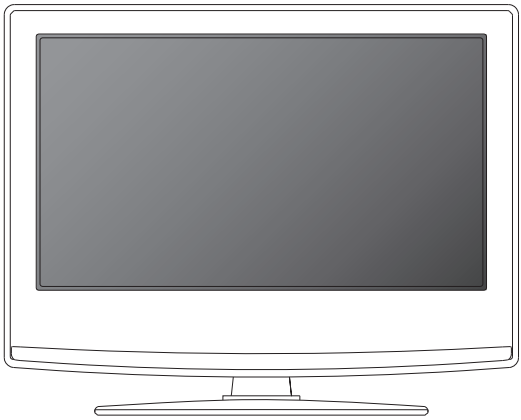
Technika

HD Ready LED TV with Freeview & USB Media Player

User Guide



Model No
LED22-248

IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions. All the safety and operating instructions should be read before the appliance is operated.

Warnings

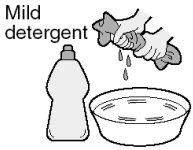
- To reduce the risk of fire, electric shock or damage to the television, do not expose it to dust, rain or moisture, or place any objects filled with liquids on or near the television.
- Do not place the television in a confined space, ensure that nothing can obstruct the ventilation openings at the rear of the television.
- Dispose of this television and any components including batteries in an environmentally friendly manner. If in doubt, please contact your local authority for details of recycling.
- To prevent spread of fire, keep candles or other open flames away from this product at all times

Safety

- For your safety, this appliance is fitted with a fused moulded 3 pin mains plug. Should the fuse need to be replaced, ensure that any replacement is of the same amperage and approved with the BSI mark.
- Never try and replace the mains plug unless you have adequate qualifications and are legally authorised to do so. In the event that a replacement Mains cable is required, contact the manufacturer for a suitable replacement.
- Never use the television if it is damaged in any way.
- Always place the television on a flat level surface avoiding anywhere which may be subject to strong vibration.
- Ensure the television is not placed on top of the power cable as the weight of the television may damage the cable and cause a safety hazard.
- Never place mobile phones, speakers or any other device which may cause magnetic or radio interference with the television. If interference is apparent, move the device causing the interference away from the television.

Maintenance

- To clean this unit, wipe with a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth dipped in a soap and water solution or a weak detergent solution.
- Use eyeglass cleaner to remove stubborn dirt from the LCD/LED Screen.
- Never use alcohol, paint thinner or benzene to clean this unit.
- Before using a chemically treated cloth, read the instructions that came with the cloth carefully.



CAUTION: If water or other liquid enters the television through the display panel surface, a malfunction may occur.

Packaging

- The safest way to transport your item is in the original box/packaging - please save your packaging for this.
- You will need original box/packaging in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package it correctly.

IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions. All the safety and operating instructions should be read before the appliance is operated.

Important Information Regarding Use of Video Games, Computers, Captions or Other Fixed Image Displays

The extended use of fixed image program material can cause a permanent "shadow image" on the LCD panel.
This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible LCD/LED panel deterioration can be limited by observing the following steps:

1. Reduce the brightness/contrast setting to a minimum viewing level.
2. Do not display the fixed image for extended periods of time.
3. Turn the power off when not in actual use.

Examples of images that you need to watch out for are as follows (this is not an exhaustive list):

- TV Channel Logos: e.g. Shopping channel logos and pricing displays-especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.
- Time Displays
- Teletext: Do not view a stationary page for long period of time
- TV/DVD Menus: e.g. Listings of DVD disk content
- Pause Mode: Do not leave the TV in pause mode for long periods of time, e.g. When watching DVDs or videos.

Important - Once 'shadow image/screen burn' occurs, it will never disappear and is not repairable under warranty.

How do I dispose of this product?

UK: Waste electrical products should not be disposed of with household waste. Separate disposal facilities exist. For your nearest facilities, please see www.recycle-more.co.uk or in store for details.

ROI: Waste electrical products should not be disposed of with household waste. Separate disposal facilities exist. Check with your Local Authority or retailer for recycling advice.

Batteries

- Observe the correct polarity when inserting batteries.
- Do not use different types of batteries together or mix old and new batteries.
- Dispose of batteries in an environmentally friendly way.
- Certain regions may regulate the disposal of batteries. Please consult your local authority.

CAUTION:

This caution label is located on the rear panel of the unit

THIS UNIT IS A CLASS 1 LASER PRODUCT. HOWEVER THIS UNIT USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED.
WHEN THIS UNIT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENINGS TO LOOK INTO THE INSIDE OF THIS UNIT.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

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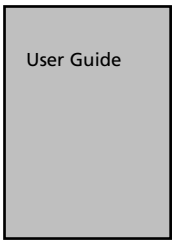
WHAT IS INCLUDED IN THE BOX

Accessories

Included with this TV are the following accessories:

1 x User Guide



1 x Quick Start Guide

1 x Stand

1 x RF Cable

1 x Remote Control

2 x AAA Batteries

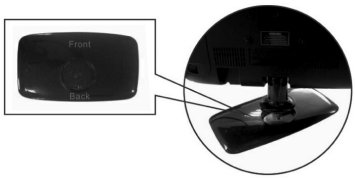
1 x TV

Please save your packaging as you will need this in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package it correctly. The safest way to package your item in the event of warranty/service repair is in it's original box/packaging.

ATTACHING/DETACHING THE STAND

Attaching the Stand

1) Insert the TV into the stand at 45 degrees



2) Twist the TV into the CLOSE position until it clicks into place

Detaching the Stand

1) To remove the base, press close button and rotate 45 degrees.
2) Remove the 4 screws highlighted

IMPORTANT - Before drilling any holes in the wall ensure you are not drilling where there could be any electric wires, water or gas pipes.

Wall mounting the TV

This television requires a VESA 100 wall mount, or equivalent.
1) Remove the four screws highlighted below.
2) The wall mount can now be easily attached to the mounting holes on the rear of the TV. These holes are indicated in the picture below.

For optimum viewing, if wall mounting the TV higher than eye level, the TV should be tilted downwards so that the TV's screen is 'face on'. See fig 1 and 2

Important – If wall mounting this TV, only use the screws already provided in the wall mounting holes. Using other screws which are longer could cause irreparable damage to internal parts.

fig 1

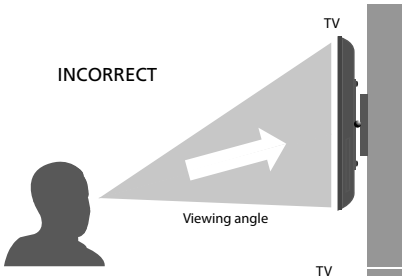
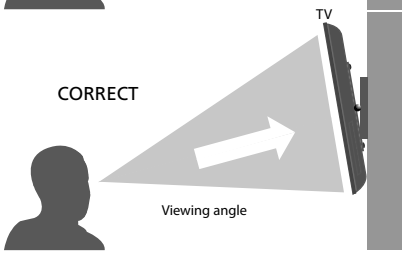


fig 2

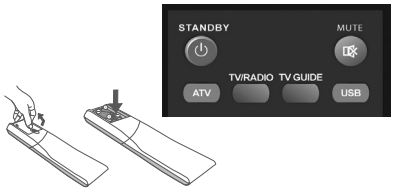


GETTING STARTED - INITIAL SET UP

1) Using the RF cable supplied, connect the TV to the TV Aerial wall socket (Fig A)

2) Connect the power cable to the Electrical outlet (Fig B)

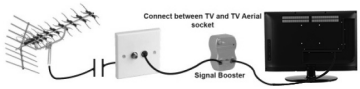
3) Insert the batteries supplied into the Remote control and press the Standby button to power on the TV



4) You will now be welcomed with the initial set-up screen.
If it does not appear, on the remote control, please press [MENU] then 8-8-8-8 and the menu will appear.
Press OK on the remote control and tuning will start.

5) After tuning the following screen will appear.

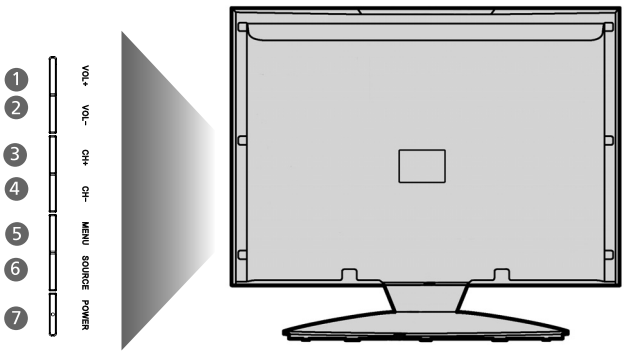
Auto Tuning Status
Analogue Channels found ...
Digital Channels found ...
Radio Channels found ...
Data Channels found ...
Congratulations. You have completed the tuning process. Press OK to Exit.
Note: If not all the channels were found, please try connnecting a signal booster between the TV's RF input and your TV aerial wall socket to improve the signal quality being received by the TV. Alternatively, upgrade your Aerial to a 'High Gain' digital version.
OK Exit



If you are missing channels, the reason for this is likely to be signal strength, you should consider connecting signal booster and re-tuning the TV.

As part of our ongoing development to reduce power consumption, we have added an extra function to this Television called 'Ecohome' (you will see this during the first time installation set up). Power consumption using the Ecohome function is approximately 15% lower than some other modes. The picture brightness is reduced using the Ecohome function. If this function is not suitable for your viewing environment, you can select other modes as necessary. (Please note, 'Professional' mode is for optimum default picture settings, however, power consumption is approximately 15% higher than 'Ecohome' mode)
Please refer to the user guide section 'Picture settings' in order to change the mode to one that maybe more suitable for your environment. There is also a shortcut button on the remote control called 'P-Mode' should you wish to change to another mode.

TV BUTTONS & SOURCE MENU



1	VOL+	Volume up and menu right
2	VOL-	Volume down and menu left
3	CH+	Programme / channel up and menu up
4	CH-	Programme / channel down and menu right
5	Menu	Display Menu / OSD
6	Source	Display the input / Source menu
7	Power	Standby power On/Off

Choosing Mode Input/Source

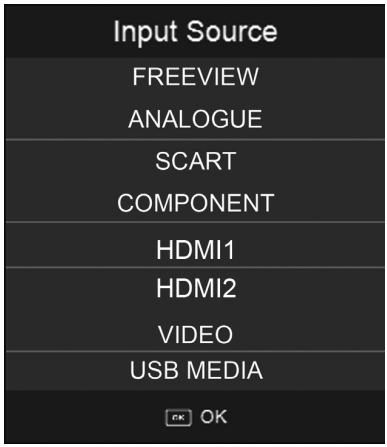
To switch between the different input/ connections.

A) Using the buttons on the remote control:

1) Press [SOURCE/ AV] - The source menu will appear
2) Press [V] or [Λ] to select the input you require.
3) Press [OK]

B) Using the buttons on the Television:

1) Press [SOURCE]
2) Scroll up / down using CH+/ CH- buttons to the input/source you require
3) Press Vol+ to change input/source to the one selected.



REMOTE CONTROL

1

STANDBY - Switch on TV when in standby or vice versa
MUTE - Mute the sound or vice versa
TV/RADIO - Switch to Freeview and switch between TV and radio in Freeview mode
TV GUIDE - Opens the 7 Day TV Guide (Freeview mode)
ATV - Switch to analogue TV source
USB - Switch to USB Source

2

S.MODE - Scrolls through sound mode options
P.MODE - Scrolls through picture mode options
⏮ - To restart the current chapter
⏭ - To advance forward to the next chapter
■ - To stop the playback
⏪ - To play in fast rewind mode
⏩ - To play in fast forward mode
⏯ - To play/pause

Only operate when a USB key is inserted

3

SOURCE/AV - To display the input/source menu
INFO - Press once for now/next channel information
Press twice for programme information about current programme
(▲/▼/◀/▶/ OK) - Allows you to navigate the on-screen menus and adjust the system settings to your preference
MENU - To display OSD menu
EXIT - To exit all menus
NUMBER BUTTONS - 0 – 9 to select a TV channel directly.
↻ - To return to the previous channel viewed
FAV - To display favourites menu

4

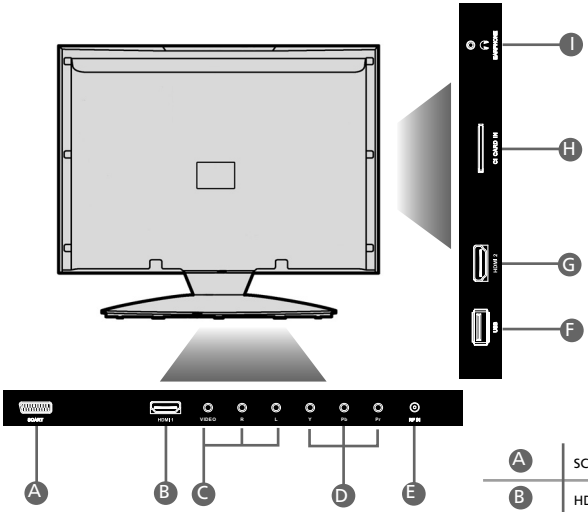
VOL ▲/▼ - To increase / decrease the sound level
SUBTITLE - To switch the dialogue at the bottom of the screen (on/off)
ASPECT - To switch the screen between the different picture formats
AUDIO - To change the audio language (if available)
SLEEP - Press repeatedly to cycle through the sleep options
CH ▲/▼ To increase or decrease the channel being watched

5

TEXT - Teletext mode* - To enter Teletext
INDEX - Teletext mode* - To display the index page
REVEAL - Teletext mode* - To reveal or hide the hidden words.
DISPLAY - To switch off the screen when listening to radio
SIZE - Teletext mode* - To change the display size in Teletext mode
HOLD - Teletext mode* - Hold current page which is displayed

* Teletext function is only available in analogue

CONNECTIONS

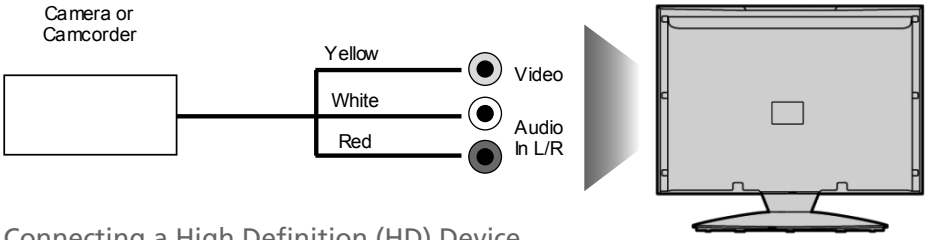


A	SCART	SCART input
B	HDMI 1	HDMI input
C	VIDEO/AUDIO	Video and Audio input
D	Component HD	Component HD Input
E	RF IN	RF / TV Aerial Input
F	USB	USB port
G	HDMI 2	HDMI input
H	CI CARD IN	Common Interface Card Input
I	HEADPHONES	3.5mm Headphone output

CONNECTIONS

Connecting a Camcorder, Camera or Games Console

TVs Input / Source should be set to Video

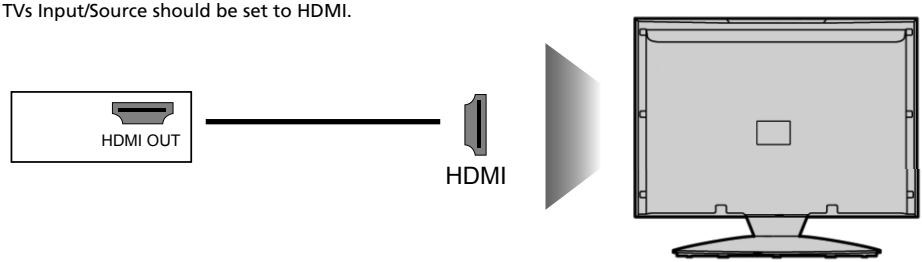


Connecting a High Definition (HD) Device

Option 1 - via HDMI to HDMI cable

A HDMI cable can output both video and audio and enables you to enjoy digital-quality video and audio with minimal loss of quality.

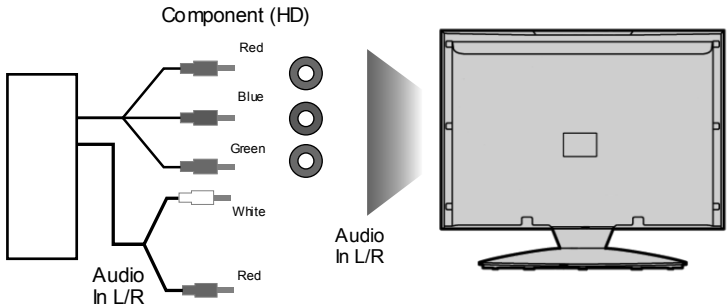
TVs Input/Source should be set to HDMI.



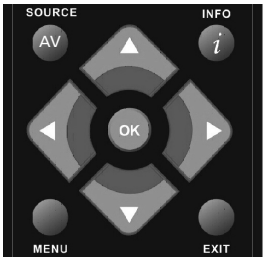
Option 2 - via Component cable

If you are supplied with a cable from the device which has RED, GREEN, BLUE, RED & WHITE connectors you must connect via Component (for picture) and by phono cable (for sound).

TV Source should be set to Component.



CHANNEL MENU



To access this menu, press [MENU] button on the remote control. To enter a menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons. To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

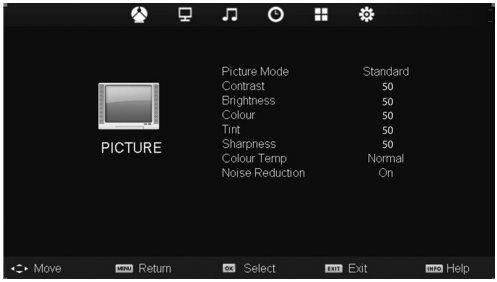
Auto Tuning - Allows you to retune the television for all digital channels, digital radio stations and analogue channels.

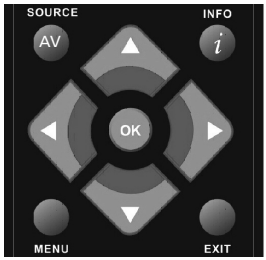
Freeview Manual Tuning- Allows you to manually tune your digital signal

Analogue Manual Tuning - Allows you to manually tune your analogue signal

Programme Edit - Allows you to delete, skip and add favourite channels.

PICTURE MENU





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If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.
To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

Picture Mode - Choose from the following presets

Standard	Default settings
Dynamic	Recommended settings for fast moving pictures
Mild	Set to be lighter in colour and less bright
Personal	Lets you manually alter all the settings
Ecohome	15% less power consumption

Contrast - Switch the balance between black and white

Brightness - Increase or decrease the brightness of the picture

Colour - Increases the colour from black and white

Tint - Lets you increase or decrease the level of tint within the picture

Sharpness - Increase or decrease the sharpness of the picture

Colour Temperature - Choose from the following presets

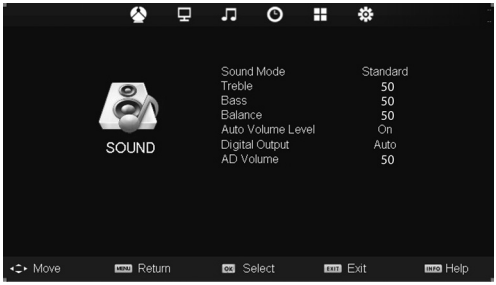
Normal	Default settings
Warm	Increases red within the picture
Cool	Increases blue within the picture

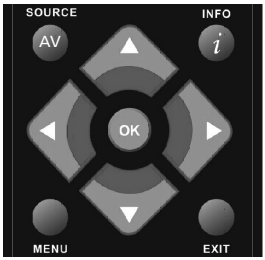
Noise Reduction - Choose from the following presets

Off	Turns noise reduction off
Low	Minor system adjustment
Middle	Medium system adjustments
High	Maximum system adjustments
Default	Default settings

Tip: If you do not press any buttons for 10 seconds, the menu will automatically exit. You can change the length of time before the menu exits automatically - see 'Menu Duration' section.

SOUND MENU





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If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons. To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

Sound Mode - Choose from the following presets

Standard	Default settings
Music	Emphasises music over voices
Movie	Provides live and full sound for movies
Personal	Selects your personal sound settings
Sports	Emphasises sound for sports

Tip: Treble and bass levels can only be adjusted when the sound mode 'Personal' is selected.

Treble - To adjust the amount of high frequency within the sound

Bass - To adjust the amount of low frequency within the sound

Balance - To switch the sound between the left and right speakers

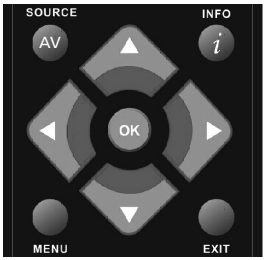
Auto Volume Level (AVL) - When 'on' is selected, the volume will stay at a constant level regardless of input/source

Digital Output - This is the digital COAX Audio output. Choose from the following options:

Off	Off
Auto	Selects the best settings automatically
PCM	Select this option if you are connecting to a Stereo Hi-fi via coax cable (Pulse-code modulation (PCM) is a digital representation of an analogue signal)

AD Volume - Increase or decrease the overall volume

TIME MENU



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To exit this menu at anytime, press [EXIT] button.

Clock - Shows the date and time

Off Time - Allows you to set a specific time for your TV to turn off

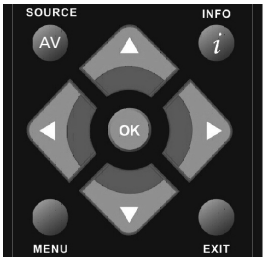
On Time - Allows you to set a specific time for your TV to turn on, the channel it will then display, the source it will be on and also the volume. This function can then be toggled to repeat every day or a certain day.

Time Zone - Change your current time zone

Sleep Timer - Lets you set the sleep timer so the television automatically switches off after a set amount of time. Off -> 10min -> 20min -> 30min -> 60min -> 90min -> 120min -> 180min -> 240min

Auto standby - Toggle the Function on and off

FEATURE MENU



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To exit this menu at anytime, press [EXIT] button.

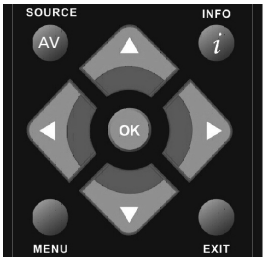
Schedule List - Lists your programme reminders

CI Information - Pay per view services require a "smartcard" to be inserted into the TV.

If you subscribe to a pay per view service the provider will issue you with a 'CAM' and a "smartcard". The CAM can then be inserted into the COMMON INTERFACE PORT (CI Card In).

System Lock - Allows you to lock or unlock the menu. You will be asked to enter a 4 digit password use the ◄ button to quit the password input. Use the ► button to clear. Default password is 0000

SETUP MENU



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To exit this menu at anytime, press [EXIT] button.

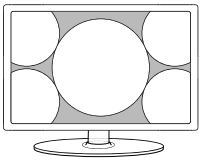
Menu language - Allows you to change the language of the menu

Aspect Ratio - Within the UK the picture format varies depending on the channel/broadcast. There are a number of different options to best meet your needs

Auo
Automatically displays the best picture format. So the picture is in the correct position. May have black lines At the top/bottom and/or sides.

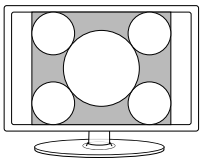
Original
Will display the picture from the broadcaster without any change

Zoom



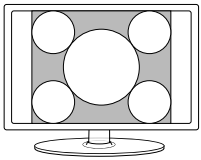
The picture is the correct proportion but zoomed in to fill the screen

4:3



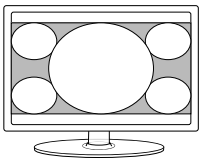
Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:9 screen

16:9



Fills the screen with a regular 16:9 signal.

14:9



Displays the 14:9 picture in the correct proportion. As a result side bars are shown on the screen

Blue Screen - Changes the background when there is no input between clear and a blue background (Only available on some sources)

Menu Duration - Lets you adjust the amount of time the On Screen Menu stays on the screen before disappearing

Reset to default

Reset Menu System - This resets the menus to factory settings.

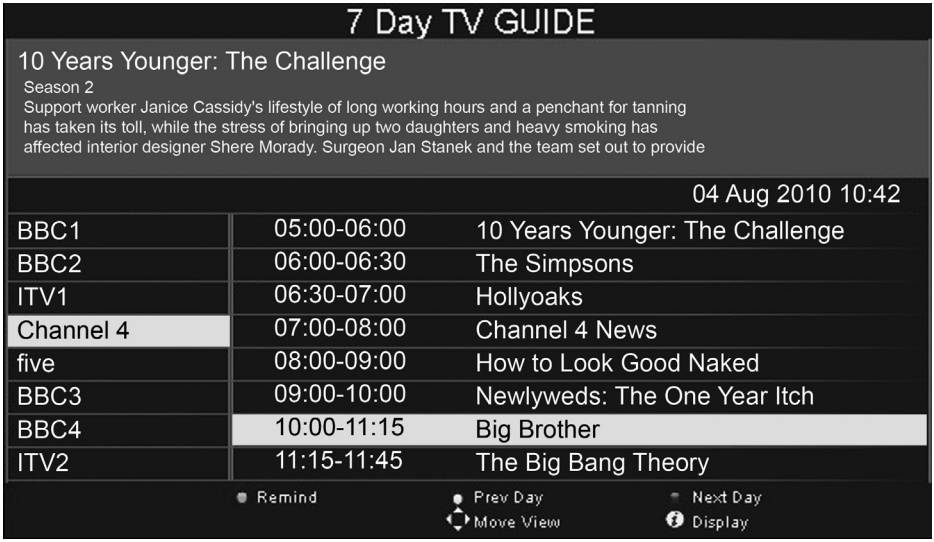
Reset TV Channels - This clears all the TV channels from the television.

Software Update (USB) - From time to time we may release new firmware to improve the operation of the television (available to download). This menu lets you install the new software/firmware onto the television. Further details of how to do this will be issued with the firmware. Contact the helpline or refer to the 'product support' section of the website.

7 DAY TV GUIDE

TV Guide is available in Digital TV mode. It provides information about forthcoming programmes (where supported by the freeview channel). You can view the start and end time of all programmes and on all channels for the next 7 days and set reminders.

1) Press [TV GUIDE]. The following 7 Day TV Guide will appear.


7 Day TV GUIDE
10 Years Younger: The Challenge
Season 2
Support worker Janice Cassidy's lifestyle of long working hours and a penchant for tanning has taken its toll, while the stress of bringing up two daughters and heavy smoking has affected interior designer Shere Morady. Surgeon Jan Stanek and the team set out to provide
04 Aug 2010 10:42
BBC1 05:00-06:00 10 Years Younger: The Challenge
BBC2 06:00-06:30 The Simpsons
ITV1 06:30-07:00 Hollyoaks
Channel 4 07:00-08:00 Channel 4 News
five 08:00-09:00 How to Look Good Naked
BBC3 09:00-10:00 Newlyweds: The One Year Itch
BBC4 10:00-11:15 Big Brother
ITV2 11:15-11:45 The Big Bang Theory
Remind
Prev Day
Move View
Next Day
Display

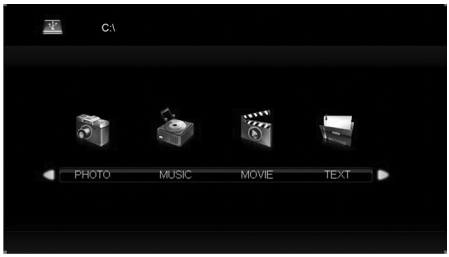
2) Navigate through the menu using ▲▼►◄

You can now:
Set a reminder by pressing GREEN
View a previous day by pressing YELLOW
View the next day by pressing BLUE

3) Press [EXIT] to exit the 7 day TV Guide.

USB MODE / MEDIA PLAYER

USB mode offers playback of various different types of content that you have saved on your USB Memory Stick.
Please refer to technical specification page for compatible file types
On switching to USB source the above menu screen will appear. The content will be divided into Photo, Music, Movie and Text based on file type.



1) You can navigate through the menus using the scroll ▲▼ ▶ ◀ buttons. To confirm the item you wish to play/view press [OK] button.

2) Select the drive you require. (If your drive only has 1 partition you will only see 1 item).

3) You can now access the item. Press OK to view.

4) While viewing you control the item using

or by pressing (i) and using ▲▼ ▶ ◀ and (OK)

USING YOUR TV WITH A SKY DIGITAL SET TOP BOX

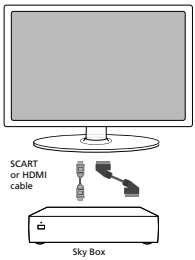
Option 1) Connecting your TV to your Sky box (when both the TV and Sky Box are located in the same room)

Depending on your Sky Box & TV model, connect either by SCART or HDMI cables (available separately)

If connecting by SCART, select the 'Input source' on the TV as SCART.

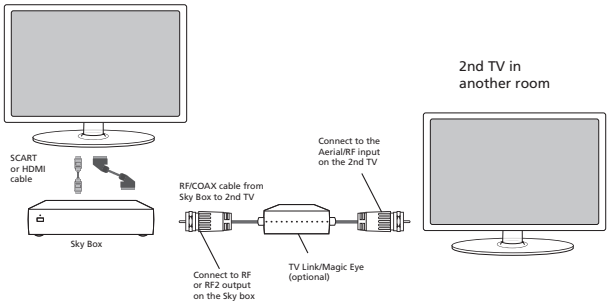
If connecting by HDMI, select the 'Input source' on the TV as HDMI (if the TV has more than 1 HDMI port, ensure you select the input source to match the HDMI numbered port on the rear of the TV)

If you wish to use your Sky remote to operate the TV's functions, you will need a Sky remote control (Revision 9 or later) and you will need to programme a 4 digit code into it. See bottom of this page.



Option 2) Connecting your TV to your Sky box (when your Sky box is located in a different room to the TV)

Please note, if you are adding a 'Magic Eye/TV Link' to your system so that you can use your Sky remote control to change the Sky channel in the room where the 2nd TV is located, please refer to the instructions included with the TV link/magic eye in order to ensure the RF or RF2 output on your Sky box is powered on. (The red LED light on the TV link/magic eye will light up if the RF / RF2 output is correctly set up) If you do not have the instructions that came with the TV link/magic eye, instructions on how to do it can be found on our web site.



1) To tune the TV to the Sky box, on the 2nd TV, select the 'Analogue' input source.
2) Select the channel that you wish to store the Sky box/channel on. (If you do not use channels 1-5 because you no longer have analogue terrestrial channels after digital switchover, you may choose to select channel 1 to store the Sky box/channel, if you still have and use analogue channels 1-5, you may for example decide that channel 6 is the best option for you)
3) Press the corresponding number on the remote control to select the desired analogue channel chosen as per point 2 above.
4) On the TV remote control, press Menu. Now navigate through the menus to select Manual Tuning or Analogue Manual tuning (refer to the Tuning/Channel menu section of this user guide if necessary)
5) Manually tune in the channel (usually, the Sky box is at a frequency between 800Mhz and 850Mhz) once the Sky box/channel is found, press 'OK' to store it.

If you wish to use your Sky remote to operate the TV's functions, you will need a Sky remote control (Revision 9 or later) and you will need to programme a 4 digit code into it. See below.

Using a Sky Remote or a Universal Remote to operate your TV

Sky Remote Control, If you wish to use your Sky remote to operate the basic functions of your TV, you need to programme a 4 digit code into it. Please note. you will need the latest Sky Revision 9 remote control as this is the only version that includes the latest software/firmware necessary to operate this model of TV. All codes can be found on our website. If you wish to upgrade/replace your existing Sky remote control to the latest version, you can do so on our web site.

Universal Remote Control, If you wish to use a Universal remote control to operate your TV, please refer to the web site for a full list of codes. (Please note we only have codes for One for All branded remote controls, if you have an alternative brand of Universal remote, please refer to the manufacturer for the code.)

FREQUENTLY ASKED QUESTIONS

General	I would like to have louder sound by connecting additional speakers	Use the 3.5mm headphone output and a 3.5mm to phono cable (available separately) to connect to an amplifier/surround sound system
General	Why are some options in the menu unavailable and greyed out	Some options are only available in certain sources, i.e. HDMI. They are unavailable in the other sources where they have no affect.
TV	I have tuned in Digital TV but I am not receiving any or all of the channels and/ or the channels I receive are breaking up	1) Check you are in an area that can receive Freeview. Visit www.freeview.co.uk. 2) Check you are using an aerial that is able to receive a good digital signal. In most cases, you will need an outdoor digital hi-gain/wideband aerial. In areas that have excellent Freeview coverage, you may be able to use a loft type aerial but it is highly likely that you will also need to connect a booster between the back of the TV and the TV aerial wall socket. Unfortunately, to receive a good enough digital signal, it is not possible to use a portable/indoor type aerial. This may change once the analogue signal is switched off in 2012 and the Digital signal strength is increased.
TV	I have re-tuned my television but when I switch it off it is not storing the channels	Complete a first time installation, please refer to the set-up menu section of the manual of how to do this
General	Can I stop my TV turning off after 4hrs?	Yes 1) In the picture settings menu, de-select Eco-home 2) In the time settings menu, scroll down to Auto standby and select OFF
Game Consoles	I have connected my PS3 to the TV via HDMI, but I am not receiving any pictures or sound on my Television	1) Ensure the TVs source is on HDMI 2) Check your settings on your PS3 are as per the PS3 instruction manual
Game Consoles	I have connected my Xbox 360 to the TV via Component Cables (Red, Green & Blue) but I am not receiving any sound	Component cables only provide HD Pictures. For the sound you will need to connect the Red & White audio cables on the Xbox to the Red & White phono inputs on the rear of the TV. Please refer to the 'Connections' pages.
USB Mode	I have inserted a USB Memory Key, but the TV does not recognise it	Ensure the USB Memory Key is formatted to type FAT32.
USB Mode	Using a USB portable hard drive	If you wish to use a portable hard drive larger than 32GB, please note that it must be formatted to the FAT32 file system in order to operate on this TV. Windows XP/Vista computers are only capable of formatting up to 32GB, therefore, you will need a software programme/utility to format larger hard drives. Please refer to the web site for more information.
System Lock	I have changed the password on the television and now forgotten it	There is a master password of 4711, to gain access to the TV menu and reset the normal password

TECHNICAL SPECIFICATION

Model	19-248	22-248
Screen size (diagonal)	18.5”/47cm	21.5”/55cm
Resolution	1366 x 768	1920 x 1080
Contrast Ratio	1000:1	1000:1
Brightness cd/m2	250 cd/m^2	250 cd/m^2
RF	75 ohm Antenna / PAL-SECAM	
Video Inputs	1 x Video, 1 x Component (YPbPr - 1080P), 2 x HDMI (up to 1080P)	
Sound Inputs	1 x RCA audio input for Video&Component(YPbPr)	
Sound Outputs	1 x Headphone output	
Sound power, watts (RMS)	2 x 3	
Voltage and power consumption	110 - 240V ~ 50/60Hz 17W/35W (ecomode/ max) (standby less than 0.5w)	110 - 240V ~ 50/60Hz 25/40W (ecomode/max) (standby less than 0.5w)
Dimensions including stand (mm)	457W x 360H x 170D	530W x 395H x 170D
Net weight (Kgs)	3.2	3.6

Compatible files in USB Mode

Media	File Ext.	Codec		
		Video	Audio	
Movie	.mpg	Mpeg-1, Mpeg-2	MP3, WMA	Max Resolution: 1920x1080 Max Data rate: 40Mbps
	.avi	Xvid, MJPEG, MPEG-4 SP/ASP		
	.ts	Mpeg-2		Max Resolution: 1920x1080 Max Data rate: 40Mbps
	.mov	Mpeg-4 SP/ASP		
	.dat	Mpeg-1		
	.mp4	Mpeg-1, Mpeg-2		Max Resolution: 1024x768 Max Data rate: 40Mbps
	.vob	Mpeg-2		
Music	.mp3	-	MP3	Sample Rate 16K-48KHz Bit rate: 320Kbps
	.wma	-	WMA	
Picture	.jpg	Progressive JPEG		Max Resolution: 1024x768
	.jpeg	Baseline JPEG		Max Resolution: 8192x8192
	.bmp	BMP		Max Resolution: 6500x6500

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